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if index (dx\_code, 'I6')

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'N172' , 'N178' , 'N179' , 'N18' , 'N181' , 'N182' , 'N183' , 'N1830' , 'N1831' ,

'N1832' , 'N184' , 'N185' , 'N186' , 'N189' , 'N19' , 'N25' , 'N261' , 'N269', 'O2683' , 'Q61' ,

'Q610' , 'Q6100' , 'Q6101' , 'Q6102' , 'Q611' , 'Q6111' , 'Q6119' , 'Q612' , 'Q613' , 'Q614' ,

'Q615' , 'Q618' , 'Q619')

then condition='Chronic kidney disease';

if index (dx\_code, 'J44')

then condition='COPD';

if index (dx\_code, 'K70')

then condition='Chronic liver disease';

if index (dx\_code, 'K71')

then condition='Chronic liver disease';

if index (dx\_code, 'K72')

then condition='Chronic liver disease';

if index (dx\_code, 'K73')

then condition='Chronic liver disease';

if index (dx\_code, 'K74')

then condition='Chronic liver disease';

if dx\_code='K754'

then condition='Chronic liver disease';

if dx\_code='K7581'

then condition='Chronic liver disease';

if dx\_code='K760'

then condition='Chronic liver disease';

if index (dx\_code, 'E84')

then condition='Cystic fibrosis';

if index (dx\_code, 'E10')

then condition='Diabetes mellitus, type 1';

if index (dx\_code, 'E11')

then condition='Diabetes mellitus, type 2';

if index (dx\_code, 'B20')

then condition='HIV';

if dx\_code in ( 'I21' , 'I210' , 'I2101' , 'I2102' , 'I2109' , 'I211' , 'I2111' , 'I2119' , 'I212' , 'I2121' ,

'I2129' , 'I213' , 'I214' , 'I219' , 'I21A' , 'I21A1' ,

'I21A9' , 'I22' , 'I220' , 'I221' , 'I222' , 'I228' , 'I229' , 'I23' , 'I230' , 'I231' ,

'I232' , 'I233' , 'I234' , 'I235' , 'I236' , 'I237' , 'I238' , 'I24'

, 'I240' , 'I241' , 'I248' , 'I249' , 'I25' , 'I251' , 'I2510' , 'I2511' , 'I25110' , 'I25111' ,

'I251108' , 'I25119' , 'I252' , 'I253' , 'I254' ,

'I2541' , 'I2542' , 'I255' , 'I256' , 'I257' , 'I2570' , 'I25700' , 'I25701' , 'I25708' , 'I25709' ,

'I2571' , 'I25710' , 'I25711' , 'I25718' ,

'I25719' , 'I2572' , 'I25720' , 'I25721' , 'I25728' , 'I25729' , 'I25729' , 'I2573' , 'I25730' , 'I25731' ,

'I25738' , 'I25739' , 'I2575' , 'I25750' , 'I25751' , 'I25758' , 'I25759' , 'I2576' , 'I25760' ,

'I25761' , 'I25768' , 'I25769' , 'I2579' , 'I25790' , 'I25791' , 'I25798' ,

'I25799' , 'I258' , 'I2581' , 'I25810' , 'I25811' , 'I25812' , 'I2582' , 'I2583' , 'I2584' , 'I2589' ,

'I259' , 'I42' , 'I420' , 'I421' , 'I422' , 'I423' , 'I424' , 'I425' , 'I426' , 'I427' , 'I428' , 'I429' , 'I43' ,

'I50' , 'I501' , 'I502' , 'I5020' ,

'I5021' , 'I5022' , 'I5023' , 'I503' , 'I5030' , 'I5031' , 'I5032' , 'I5033' , 'I504' , 'I5040' , 'I5041' ,

'I5042' , 'I5043' , 'I508' , 'I5081' , 'I50810' ,

'I50811' , 'I50812' , 'I50813' , 'I50814' , 'I5082' , 'I5083' , 'I5084' , 'I5089' , 'I509' )

then condition='Heart conditions';

if index (dx\_code, 'J84')

then condition='Interstitial lung disease';

if index(dx\_code, 'F2') then condition='Schizophrenia';

if index(dx\_code, 'F30') then condition='Mental health conditions';

if index(dx\_code, 'F31') then condition='Bipolar Disorder';

if index(dx\_code, 'F32') then condition='Depression';

if index(dx\_code, 'F33') then condition='Depression';

if index(dx\_code, 'F41') then condition='Anxiety';

if index (dx\_code, 'F02') then condition='Dementia';

if index (dx\_code, 'F03') then condition='Dementia';

if index (dx\_code, 'F04') then condition='Dementia';

if index (dx\_code, 'F05') then condition='Dementia';

if index (dx\_code, 'G30') then condition='Alzheimers';

if dx\_code='G20' then condition='Parkinsons';

if index (dx\_code, 'E66') then condition='Obesity';

if index (dx\_code, 'O99.21') then condition='Obesity';

if index (dx\_code, 'Z68') then condition='Obesity';

if dx\_code in ('Z33.1' ,'Z33.3' ,'Z34' ,'Z34.0' ,'Z34.00' ,'Z34.01' ,'Z34.02' ,'Z34.03' ,'Z34.8' ,

'Z34.80' ,'Z34.81' ,'Z34.82' ,'Z34.83' ,'Z34.9' ,'Z34.90' ,'Z34.91' ,'Z34.92' ,'Z34.93' ,'O09' ,

'O09.0' ,'O09.00' ,'O09.01' ,'O09.02' ,'O09.03' ,'O09.1' ,'O09.10' ,'O09.11' ,'O09.12' ,'O09.13' ,

'O09.A' ,'O09.A0' ,'O09.A1' ,'O09.A2' ,'O09.A3' ,'O09.2' ,'O09.21' ,'O09.211' ,'O09.212' ,'O09.213' ,

'O09.219' ,'O09.29' ,'O09.291' ,'O09.292' ,'O09.293' ,'O09.299' ,'O09.3' ,'O09.30' ,'O09.31' ,'O09.32' ,

'O09.33' ,'O09.4' ,'O09.41' ,'O09.42' ,'O09.43' ,'O09.5' ,'O09.51' ,'O09.511' ,'O09.512' ,'O09.513' ,'O09.519' ,

'O09.52' ,'O09.521' ,'O09.522' ,'O09.523' ,'O09.529' ,'O09.6' ,'O09.61' ,'O09.611' ,'O09.612' ,'O09.613' ,'O09.619'

,'O09.62' ,'O09.621' ,'O09.622' ,'O09.623' ,'O09.629' ,'O09.7' ,'O09.70' ,'O09.71' ,'O09.72' ,'O09.73' ,'O09.8' ,

'O09.81' ,'O09.811' ,'O09.812' ,'O09.813' ,'O09.819' ,'O09.82' ,'O09.821' ,'O09.822' ,'O09.823' ,'O09.829' ,

'O09.89' ,'O09.891' ,'O09.892' ,'O09.893' ,'O09.899' ,'O09.9' ,'O09.90' ,'O09.91' ,'O09.92' ,'O09.93')

then condition='Pregnancy';

if index (dx\_code, 'D80') then condition='Primary Immunodeficiencies';

if index (dx\_code, 'D83') then condition='Primary Immunodeficiencies';

if index (dx\_code, 'I27') then condition='Pulmonary hypertension and pulmonary embolism';

if index (dx\_code, 'I26') then condition='Pulmonary hypertension and pulmonary embolism';

if index (dx\_code, 'F17') then condition='Smoking';

if index (dx\_code, 'Z94')then condition='Solid organ or blood stem cell transplantation';

if index (dx\_code, 'A15') then condition='Tuberculosis';

if index (dx\_code, 'D57')then condition='Sickle cell disease';

if index (dx\_code, 'F10') then condition='Substance use disorders';

if index (dx\_code, 'F11') then condition='Substance use disorders';

if index (dx\_code, 'F12') then condition='Substance use disorders';

if index (dx\_code, 'F13') then condition='Substance use disorders';

if index (dx\_code, 'F14') then condition='Substance use disorders';

if index (dx\_code, 'F15') then condition='Substance use disorders';

if index (dx\_code, 'F16') then condition='Substance use disorders';

if index (dx\_code, 'F18') then condition='Substance use disorders';

if index (dx\_code, 'F19') then condition='Substance use disorders';

if dx\_code='E8801' then condition='Alpha 1 antitrypsin deficiency';

if dx\_code in ('B181','B1910') then condition='Hepatitis B';

if dx\_code in ('B182','B1921') then condition='Hepatitis C';

if index (dx\_code, 'I10') then condition='Hypertension';

if index (dx\_code, 'D56') then condition='Thalassemia';

if index (dx\_code, 'F7') then condition='Disabilities';

if index (dx\_code, 'Q') then condition='Disabilities';